

Title (en)  
COOLANT FLOW CONTROL

Publication  
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Application  
**EP 88904437 A 19880524**

Priority  
• AU 8800156 W 19880524  
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Abstract (en)  
[origin: WO8809230A1] A method and apparatus for controlling the temperature of a machine tool (e.g. mill rolls (7, 8)). A coolant or lubricant is fed from a header supply (22) to the primary inlet (21) of a fluidic device (20) such as a vortex valve. The outlet (23) of the fluidic device (20) is directed to or at the machine tool (7, 8). A second flow (36) of coolant or lubricant from reservoir (25) is fed to the control inlet (30) of the fluidic device (20) the second flow (36) being controlled via a feedback signal (27) and valve (26) to vary the second flow (36) in response to workpiece shape or temperature so that the total outflow from the outlet (23) of coolant or lubricant can be varied. The second flow (36) may be at a temperature which differs from that of the first flow so that as the flow rate from outlet (23) to the workpiece rises the temperature of the coolant or lubricant falls.

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IPC 8 full level  
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Citation (search report)  
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• [Y] SU 719723 A1 19800305 - DO NII CHERNOJ METALLURGII [SU]  
• [X] JP S6171113 A 19860412 - KOBE STEEL LTD  
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• See references of WO 8809230A1

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